

Recombinant Mouse NdrG1 Protein, Myc/DDK-tagged

Cat. No. NdrG1-4324M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length N-myc downstream regulated gene 1 (NdrG1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Stress-responsive protein involved in hormone responses, cell growth, and differentiation. Acts as a tumor suppressor in many cell types. Necessary but not sufficient for p53/TP53-mediated caspase activation and apoptosis. Required for vesicular recycling of CDH1 and TF. May also function in lipid trafficking. Protects cells from spindle disruption damage. Functions in p53/TP53-dependent mitotic spindle checkpoint. Regulates microtubule dynamics and maintains euploidy. Has a role in cell trafficking notably of the Schwann cell and is necessary for the maintenance and development of the peripheral nerve myelin sheath.
Molecular Mass	43 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [NdrG1 N-myc downstream regulated gene 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [NdrG1](#)

Synonyms NDRG1; N-myc downstream regulated gene 1; protein NDRG1; protein Ndr1; N-myc downstream regulated 1; N-myc downstream-regulated gene 1 protein; RTP; DRG1; NMSL; Ndr1; NdrI; TDD5; CAP43; CMT4D; HMSNL; PROXY1

Gene ID [17988](#)

mRNA Refseq [NM_008681](#)

Protein Refseq [NP_032707](#)

UniProt ID [Q62433](#)

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